

# Receiving Report

Date: 13/4/19

Batch No: M125 343

Supplier: THYSON KORPP

Dart P/O: 19578

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection 13.04.20 N/A ☒  
 Work Order 13.04.20

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M2024TS3.050		144	0	0	144	
M6061TG5.032		288	192	0	96	
M6061TG3.100		24	0	0	24	

Initials of receiver (if shipment OK) Level 12

Production/Admin: 13/4/19  
 Date  
 Received/Costing  
 Initial

Location

# Purchase Order Receipt Listing

Friday, April 19, 2013 10:10:40 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO19526 Receipt Dates from 4/19/2013 to 4/19/2013 All Line Item Types  
 All Item ID/GL/WOs All Rec. Employees All Currencies  
 Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO19526	3		M2024T3S.063	sf	4/12/2013	4/19/2013	96.0000	\$3.68	0.0000	0	\$352.99
CAD	No		2024-T3 .063 sheet	sf	96.0000	DESJ02		\$352.99	0.0000	0	
			125341								
	4		M6061T6S.032	sf	4/12/2013	4/19/2013	192.0000	\$0.82	0.0000	0	\$158.01
	No		6061-T6 Sheet 0.032"	sf	288.0000	DESJ02		\$158.01	0.0000	0	
			125341								
	8		M7075T6B6.000X0.2 f	f	4/15/2013	4/19/2013	25.0000	\$10.87	0.0000	0	\$271.71
	No		50								
			7075-T6 BAR 6.000"	f	24.0000	DESJ02		\$271.71	0.0000	0	
			X 0.250"								
			125341								
	9		M7075T6B5.000X1.0 f	f	4/15/2013	4/19/2013	48.1600	\$28.30	0.0000	0	\$1,362.86
	No		00								
			7075-T6 BAR 5.000"	f	48.0000	DESJ02		\$1,362.86	0.0000	0	
			X 1.000"								
			125341								

Total Received Quantity: 361.1600  
 Total Qty to Inspect (PO U/M): 0.0000  
 Total Reject Quantity: 0.0000  
 Total Receipt Value: \$2,145.58  
 Total Balance Due Quantity: 96.0000

SHIP FROM:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

SHIP TO: ( 1 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

No: PEC 817843  
Ship Date 17Apr13 at 18:01 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

1) Our Order PEC-555273- 1 Your PO # 19526  
ALUMINUM SHEET 2024 -T3

.0800 Nom X 48.0000" X 144.0000"

Heat Number Tag No  
618223A2 170365

Quantity  
144.00 SFT

PCS 3

Wt LBS  
166

2) Our Order PEC-555273- 2 Your PO # 19526  
ALUMINUM SHEET 2024 -T3

.0640 Nom X 48.0000" X 144.0000"

Heat Number Tag No  
65018/01/00 170366

Quantity  
96.00 SFT

PCS 2

Wt LBS  
87

3) Our Order PEC-555273- 3 Your PO # 19526  
ALUMINUM SHEET 6061 T6

.0320 Nom X 48.0000" X 144.0000"

Heat Number Tag No  
694923 170367

Quantity  
192.00 SFT

PCS 4

Wt LBS  
87

4) Our Order PEC-555273- 4 Your PO # 19526  
ALUMINUM PLATE 7075-T651

.250" THICK X 6.0000" X 144.5000"

Heat Number Tag No  
Q03391 170369

Quantity  
12.04 SFT

PCS 2

Wt LBS  
44

5) Our Order PEC-555273- 5 Your PO # 19526  
ALUMINUM PLATE 7075-T651

1.00" THICK X 5.0000" X 144.5000"

Heat Number Tag No  
R01507 170370

Quantity  
20.07 SFT

PCS 4

Wt LBS  
300

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: ( 1 )  
DART AEROSPACE

B I L L O F L A D I N G

No: PEC 817843  
Ship Date 17Apr13 at 18:01 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE

B I L L O F L A D I N G

	Tags	PCS	LBS
TOTAL:	5	15	684

Heat Number \*\*\* Chemical Analysis \*\*\*  
694923  
Q03391

ADD ON TO 555225 SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WIT  
H MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 2 SKIDS, 1 CUSH, 1 BDL G.W. 954 LBS

ITEM (1) SKID  
ITEM (2) SKID  
ITEM (3) CUSH  
ITEMS (4,5) BDL

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

Page: 2 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Constellium Valais SA

CH-3960 Sierre  
Suisse

Global Aerospace, Transportation and Industry  
Europe - ATI Valais, Sierre and Steg plants

Tel : +41(0) 27 457 51 11  
http://www.constellium.com



CONSTELLIUM ROLLED PRODUCTS  
RAVENSWOOD, LLC

US -26164 RAVENSWOOD

# INSPECTION CERTIFICATE

According To **EN 10204-3.1**  
Disp. Advice / Cert **0080218154**  
Date **14/03/2012** Page **1**

Your Order **5400122158**  
**012-000329**  
Project  
Dated **14/09/2011**  
Our Confirmation No. **134166-70**  
Customer No. **606281**  
Sales Contact **Fabienne Salamin**  
**+41 (27) 457 6432**  
Certificate Dpt : **41 27 457 66 92**

Aluminium plates in AA7075-T651, mill finish, slightly oiled,  
To AMS QQ-A-250/12, ASTM B209-07, AMS 4045/J and SIE0002-05  
Alumitex paper interleaved

Your article : 012-000341

Lot	Production No.	Weight	Quantity	Dimensions
Q03391	6226544	7275.13 Lbs	41	0.250" x 48.50" x 144.50"

## Mechanical and technological properties

Sample	Temper	Pa-UTS	Pa-Y8	A%2inch	HB							
min-max	T651	>=78000	>=87000	>=9								
min-max												

## Measured values

Q03391-1	T651	81900	73800	13	177							
Q03391-2	T651	82000	73600	13	177							

## Chemical composition

Required composition (% by weight)

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	
Min			1.2		2.1	.18		5.1			
Max	.40	.50	2.0	.30	2.9	.28	.05	6.1	.20	.40	

## Analysis results (% by weight)

Other elements: Each <= 0.05% Total <= 0.15%

20346331	0.07	0.17	1.59	.053	2.44	0.18	.0060	5.76	.023	0.0700	
----------	------	------	------	------	------	------	-------	------	------	--------	--

## Remark

This certificate of conformance verifies that the organization took effective control of quality to meet the specified requirements on both the sales order(s) and the customer purchase order(s)

\*\*\* COUNTRY OF ORIGIN AND MANUFACTURE : SWITZERLAND \*\*\*

Collection of documents on request

G. Antile  
Inspection Department  
Valid without signature 03



From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402414289

CstAr

CstOr PEC# 247534

Wgt.: 44.000 LB

Date 04/10/2013

*John L. Zambetti*

**COPPER AND BRASS SALES****MATERIAL TYPE****ALUMINIUM ALLOYS****PRODUCT DESIGNATION****2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7****"WARNING"**

SMALL CHIPS,FINE TURNINGS AND DUST MAY IGNITE READILY.EXPLOSION POTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR,CHIPS,FINES,DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE.KEEP AWAY FROM IGNITION SOURCE.USE EXPLOSION-PROOF VENTILATION.KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER.INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD),A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS.BERYLLIUM IS A CANCER HAZARD;OVER TIME CBD AND CANCER CAN BE FATAL,TARGET ORGAN IS PRIMARILY THE LUNG.INHALING LARGE AMOUNTS OF COPPER,MAGNESIUM OXIDE,MANGANESE OXIDE,AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS.CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN;AND SKIN,TEETH,AND HAIR DISCOLORATION.CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES,NOSE,AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS.INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER.NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF IN THE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN.(CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT.WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.  
READ THE ALUMINIUM/ALUMINIUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

\* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

\* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

\* Aluminum, in solid form and as contained in finished products presents no special health risk.

\* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone 248-233-5600, or visit our web site @ [www.copperandbrass.com](http://www.copperandbrass.com).

ThyssenKrupp Materials NA Inc.



A company  
of ThyssenKrupp  
Services

ThyssenKrupp Materials NA  
Copper and Brass Sales Division  
West 11 Mile Road 22355  
48033 Southfield  
Tel.: +12482335700 Fax: +12482335888

Order number	Ord-pos	Del-pos	Part description
Customer PO	PO date	Quantity	Customer Part
MTR header	MTR type	Search criteria	Heat lot
81A/1401510427	000010	900001	7075 Aluminum - T651 Aluminum Non-USI 0.
PEC# 247534	04/09/2013	2.000 ST	
Att_001.PDF	ACAP	920746381720130001	Q03391

Delivery number	2402414289
Date	04/09/2013

THYSSENKRUPP MATERIALS NA - ECAD  
2821 LANGSTAFF ROAD  
CONCORD L4K 5C6  
CANADA

Constellium Valais SA

CH-3960 Sierre  
Suisse

**Global Aerospace, Transportation and Industry  
Europe - ATI Valais, Sierre and Steg plants**

Tel : +41(0) 27 457 51 11

<http://www.constellium.com>



CONSTELLIUM ROLLED PRODUCTS  
RAVENSWOOD, LLC

US -26164 RAVENSWOOD

### INSPECTION CERTIFICATE

According To **EN 10204-3.1**  
Disp. Advice / Cert **0080230050**  
Date **31/01/2013** Page **1**

Your Order **7075-6061 plates**

Project

Dated **08/11/2012**

Our Confirmation No. **139922-40**

Customer No. **606281**

Sales Contact **Fabienne Salamin**  
**++41 (27) 457 6432**

Certificate Dpt : **41 27 457 66 92**

**Aluminium plates in AA7075-T651, mill finish, Alumatex paper interleaved  
To AMS 4045K, AMS QQ-A-250/12 August 1997, ASTM B209 and SIE0002**

Your article : **001-300577**

Lot	Production No.	Weight	Quantity	Dimensions
R01507	6235915	5454.15 Lbs	6	1.000" x 60.50" x 144.50"

### Mechanical and technological properties

Sample	Temper	Ksi-UTS	Ksi-YS	A%2Inch	HB						
min-max	T651	>=78	>=68	>=7							
min-max											

### Measured values

R01507-1	T651	85.3	76.6	12	177						
R01507-2	T651	84.7	76.1	12	176						

ThyssenKrupp Materials N.A Inc.  
Copper and Brass Sales Division sold to:  
Customer:  
P.O #: **220 # 247534**  
CBS Delivery #: **2402414258**  
QTY: **4 pcs**  
By: **[Signature]** Date: **4/10/13**

### Chemical composition

Required composition (% by weight)

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Si
Min			1.2		2.1	.18		5.1		
Max	.40	.50	2.0	.30	2.9	.28	.05	6.1	.20	.40

Analysis results (% by weight)

Other elements: Each <= 0.05% Total <= 0.15%

30153291	0.07	0.22	1.64	0.044	2.49	0.19	0.0056	5.79	0.023	0.0700
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Remark

**This certificate of conformance verifies that the organization took effective  
control of quality to meet the specified requirements on both the sales order(s)  
and the customer purchase order(s)**

**\*\*\* COUNTRY OF ORIGIN AND MANUFACTURE : SWITZERLAND \*\*\***

Definition of abbreviations on demand

Alain Thurre

Inspection Department

Valid without signature 03



From: ThyssenKrupp Materials NA



CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722  
Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

*Rob Woodall*

Rob Woodall  
Director of Manufacturing Davenport Works

*Terrence Thom*

Terrence Thom  
Quality Assurance Manager

Page 1 of 2

Ship To: COPPER & BRASS SALES INC  
905 CARLOW DRIVE  
UNIT D  
BOLINGBROOK 60490 IL

Item Description  
0.032 IN TK (+0.0000 -.0025) X 48.0 IN W (+.125 - .125) X 144.0 IN LN (-.15625 -.15625) CAT X 063485-7 (N) A/T 6061-T6 FLAT SHEET FOR DISTRIBUTORS TOLERANCE  
GUARANTEED ALFLO1643. AMS4027 REV N EXC\_MRK  
ASTMB209 REV 10 ((MARKED)) KRAFT PAPER  
INTERLEAVED MAX GROSS  
SKID WGT: 4000 LB QUAN TOL +/-30 %  
CQR 0214138 REV 04 CUST REQ 12-12-19 \*\*\* W/E 12-12-22 \*\*\*

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector Clock Numbers
1	479466	694923	3537	175	PC	27888 46921
2	479467	694923	2314	114	PC	27888 46921
3	479475	694923	3458	176	PC	27888 46921
			9309			465

Notes for CQR: 0214138.4  
PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-QQ-A-250\_11 ORIGINAL REVISIO N DATED 1997-08-01.

CQR: 0214138.4 -Specification Limits -----

UTS	TYS	EL4D
KSI	KSI	PCT
Max	Max	
Min	Min	

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402414585

CstAr CstOr PEC# 247534

Wgt.: 86.704 LB Date 04/10/2013

*John L. Zambetti*

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722  
Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

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*Rob Woodall*  
Rob Woodall  
Director of Manufacturing Davenport Works

*Terence Thom*  
Terence Thom  
Quality Assurance Manager

1469552 Ship Date 2012-12-26  
0 B.L. No. 7614266  
Invoice No. 00000  
Alcoa No. Item 1000429575-7  
Customer Alcoa Item DP-29575-7  
P.O. No./Govt Contract No. 5400158547  
Ln#: 0010 C&B G041099100R04

Page 2 of 2

CQR: 0214138.4 -Specification Limits (cont.)

Chemical Composition Max Min  
SI 0.8 0.40  
FE 0.7 0.40  
CU 0.15 0.15  
MN 0.15 0.15  
MG 0.35 0.25  
CR 0.25 0.15  
ZN 0.15 0.05  
TI 0.15 0.05  
Other Total Aluminum 0.15  
REMAIN

REMAIN

Alloy 6061  
Lot: 694923  
- Mechanical, Physical, Metallurgy, Quantometer Results

Temp Dir Test No-> TYS ELAD

Temp	Dir	Test	TYS	ELAD	PCT	TI	ZN	CR	MN	MG	CU	FE	SI
T6	Long	Transv.	7	49.1	41.4	13.5							
				49.6	42.2	13.2							
				49	41.4	13.8							
				49.1	41.3	13.5							
				49.3	41.5	13.9							
				49.6	42.2	13							
				49.2	41.4	13.8							

Cast Number H3569032  
Chemical - OES SI FE CU MN MG CR ZN TI  
Actuals 0.63 0.4 0.27 0.07 1.0 0.17 0.07 0.02

This material was melted in the United States or a Qualifying Country [REF: DPARS-225.872.1(a)]; it was manufactured in the United States

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA

CstAr

Wgt.: 86.704 LB

ECAD

Del.: 2402414585

CstOr PEC# 247534

Date 04/10/2013

*John L. Zambetti*

**Abnahmeprüfzeugnis 3.1 (EN 10204)**  
**Inspection certificate - mill certificate**

Nr.: 85271176 01 / 1

Rev.: 2

Seite / page: 1 von / of 3

Datum / date: 2013 04 02

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

<b>Auftraggeber / customer:</b> Charleston Aluminum, LLC 480 Frontage Road GASTON SC 29053 USA  <b>Warenempfänger / consignee:</b> Charleston Aluminum, LLC 480 Frontage Road GASTON SC 29053 USA	Bestell Nr. / order no.:	2166-G
	Datum / date:	2012 04 19
	Auftragsbest. Nr. / order confirm no.:	640628
	Datum / date:	2012 04 23
	Lieferschein Nr. / delivery note:	85271176
	Datum / date:	2012 08 31

Produkt / product	Bedingungen / terms
Form / form: Sheet Werkstoff / material: 2024 Zustand / temper: T3 Dim. / dim.: [inch]: 0,063x48,00x144,00	Technische Lieferbedingungen / techn. spec.: AMS-QQ-A-250/4A, 09.1998 ASTM B 209 - 10 AMS 4037P, 12.2011 WL 3.1354-1, 12.1987 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. T, 01-25-10 ABM 1-6015, Issue 2, OCT 2004 AIR9048, 26 December 1978  Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Tellos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
04	65018/01/00	01/0051094/2	2024	6406280003	2409,612 lbs	55
04	65018/01/00	01/0051094/2	2024	6406280004	2407,407 lbs	55

Chemische Zusammensetzung ([%] Gewichtsanteile) / Chemical composition ([%] weight proportion (OES))											
Guss Nr. / cast no.	material	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Ti+Zr	Others Each
01/0051094/2	2024	-	-	3,8	0,30	1,2	-	-	-	-	-
	spec. min.	-	-	3,8	0,30	1,2	-	-	-	-	-
	spec. max.	0,50	0,50	4,9	0,90	1,8	0,10	0,25	0,15	0,20	0,05
	actual	0,07	0,11	4,3	0,51	1,5	0,00	0,04	0,04	0,04	0,02
	Others Total										
	spec. min.	-									
	spec. max.	0,15									
	actual	0,03									


AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich - [www.amag.at](http://www.amag.at)  
AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria - [www.amag.at](http://www.amag.at)

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402415214

CstAr CstOr PEC# 247534

Wgt.: 87.091 LB Date 04/10/2013



**Abnahmeprüfzeugnis 3.1 (EN 10204)**  
**Inspection certificate - mill certificate**

Nr.: 85271176

01 / 1

Rev.: 2

Seite / page:

2 von / of 3

Datum / date:

2013 04 02

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Zugprüfung LT / tensile test LT									
BNr/Los	Zustand	Richtung	Tests		UTS	YS	A2"		
Lot/No.	temper	direction			[ksi]	[ksi]	[%]		
				spec.min.	63,8	42,1	15		
				spec.max.	-	-	-		
65018/01	T3	LT	7	from	67,0	48,9	17		
65018/01	T3	LT		to	68,0	50,0	18		

Elektr. Leitfähigkeit GM / electr. Conductivity GM									
BNr/Los	Zustand	Tests		L / ec	ΔL / Δec per				
Lot/No.	temper			[% IACS]	batch	[% IACS]			
			spec.min.	-	-				
			spec.max.	32,8	2,6				
65018/01	T3	21	from	30,2	-				
65018/01	T3		to	30,7	0,5				

Sonstige Prüfungen / other tests									
Biegeversuch: OK. / Transverse bend test: OK.									
Maßkontrolle: OK. / Dimensional Check: OK.									
Oberfläche: OK. / Surface inspection: OK.									

Bemerkungen / notes									
Die Dimensionstoleranzen entsprechen ANSI XXX /									
As standard, dimensional tolerances are to ANSI XXX									

AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich - [www.amag.at](http://www.amag.at)  
 AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria - [www.amag.at](http://www.amag.at)

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402415214

CstAr

CstOr PEC# 247534

Wgt.: 87.091 LB

Date 04/10/2013

*John L. Zambetti*

**Abnahmeprüfzeugnis 3.1 (EN 10204)**  
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Nr.: 85271176

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2013 04 02

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland Genehmigung Lieferantennummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland approval supplier code V21275

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Klampfer Josef	josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.

Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling  
Werkssachverständiger  
ROL-Nr. 015



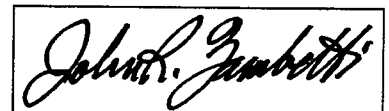
AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich - [www.amag.at](http://www.amag.at)  
AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria - [www.amag.at](http://www.amag.at)

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402415214

CstAr CstOr PEC# 247534

Wgt.: 87.091 LB Date 04/10/2013



**COPPER AND BRASS SALES****MATERIAL TYPE****ALUMINIUM ALLOYS****PRODUCT DESIGNATION****2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7****"WARNING"**

SMALL CHIPS,FINE TURNINGS AND DUST MAY IGNITE READILY.EXPLOSION POTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR,CHIPS,FINES,DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE.KEEP AWAY FROM IGNITION SOURCE.USE EXPLOSION-PROOF VENTILATION.KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER.INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD),A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS.BERYLLIUM IS A CANCER HAZARD;OVER TIME CBD AND CANCER CAN BE FATAL,TARGET ORGAN IS PRIMARILY THE LUNG.INHALING LARGE AMOUNTS OF COPPER,MAGNESIUM OXIDE,MANGANESE OXIDE,AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS.CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN;AND SKIN,TEETH,AND HAIR DISCOLORATION.CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES,NOSE,AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS.INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER.NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF IN THE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN.(CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT.WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.

READ THE ALUMINIUM/ALUMINIUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

\* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

\* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

\* Aluminum, in solid form and as contained in finished products presents no special health risk.

\* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone 248-233-5600, or visit our web site @ [www.copperandbrass.com](http://www.copperandbrass.com).

# KAISER ALUMINUM FABRICATED PRODUCTS

*Best in Class*

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

CUSTOMER PO NUMBER: 5400162313-50		WORK PACKAGE:		CUSTOMER PART NUMBER: ALFLR01585-48		PRODUCT DESCRIPTION: Kaiser Stretched	
KAISER ORDER NUMBER: 1145041	LINE ITEM: 5	SHIP DATE: 12/06/2012		ALLOY: 2024	CLAD: BARE	TEMPER: T3	
WEIGHT SHIPPED: 3104 LB	QUANTITY: 55 PCS EST.	B/L NUMBER: 2040022		GAUGE: 0.0800 IN	WIDTH: 48.000 IN	LENGTH: 144.000 IN	
SHIP TO:  COPPER & BRASS SALES 404 CENTURA COURT SPARTANBURG, SC 29303 US				SOLD TO:  COPPER & BRASS SALES ATTN: ACCOUNTS PAYABLE P.O. Box 5116 SOUTHFIELD, MI 48086 US			

MHU 1641000: LOT 618223A2: 55 pieces

### Certified Specifications

AMS 4037/RevP AMS-QQ-A-250/4/RevA ASTM B 209/Rev10 CMMP 019/RevD CMMP 025/RevU

Test Code: 1504

### Test Results:

LOT: 618223A2 CAST: 593 DROP: 22 INGOT: 3

Melted in USA  
(ASTM E8/B557)  
(EN 2002-1)

Tensile: Temper	Dir/#Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
T3	LT / 02 (Min:Max)	64.8 : 65.6 (447 : 452)	42.5 : 44.6 (293 : 308)	19.8 : 19.9

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.08	0.19	4.6	0.60	1.4	0.01	0.18	0.02	0.01	0.01	TOT 0.03

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
2024	MIN	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	MAX 0.05
	MAX	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	TOT 0.15

Aluminum Remainder

Plant Serial: 4283555

Kaiser Order Number: 1145041

Line Item: 5

Page 1 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402415162

CstAr CstOr PEC# 247534

Wgt.: 165.888 LB Date 04/10/2013

*John L. Zambetti*

# KAISER ALUMINUM FABRICATED PRODUCTS

*Best in Class*

## CERTIFIED TEST REPORT

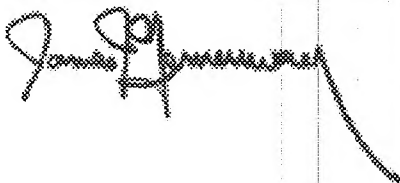
<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser) hereby certifies that metal shipped under this order was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. This material has been inspected, tested and found in conformance with the requirements of the applicable specifications as indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. All metal which is solution heat treated complies with AMS 2772. Any warranty is limited to that shown on Kaiser's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of Kaiser Aluminum Fabricated Products, LLC laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law. ISO-9001:2000 certified.

JAMES HEMENWAY, LABORATORIES SUPERVISOR



Plant Serial: 4283555  
Kaiser Order Number: 1145041  
Line Item: 5

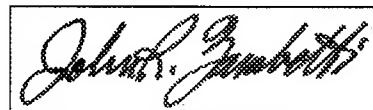
Page 2 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402415162

CstAr CstOr PEC# 247534

Wgt.: 165.888 LB Date 04/10/2013







Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO19526

Purchase Order Date 4/09/13

PO Print Date 4/09/13

Page Number 1 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

REVISED \$

M125341

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M5052H32S.063	5052-H32 .063 Sheet	4/12/13 Yes	✓ 128.00 sf	Yours ppd	\$1.8125	\$232.00
		Special Inst: MATERIAL: 5052-H32 ALUMINUM SHEET AS PER QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209					
2	M2024T3S.080	2024-T3 .080 sheet	4/12/13 Yes	144.00 sf	Yours ppd	\$4.5328	\$652.72
		Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209					
3	M2024T3S.063	2024-T3 .063 sheet	4/12/13 Yes	+ 96.00 sf	Yours ppd	\$3.7356	\$358.62

PO Instructions:

NO: PEC ST-549941 / NO: PEC ST-554447

No substitution or deviation without  
consent.

Certificate of Conformity or Material  
Certification required - YES NO

Change Nbr:

4

Change Date: 4/09/13

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Requisition Nbr	
Vendor Fax	905 738 9033	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

**Special Inst:** MATERIAL: 2024-T3 ALUMINUM SHEET  
QQ-A-250/4 OR AMS-QQ-A-250/4 OR  
AMS 4037  
OR ASTM B209

4	M6061T6S.032	6061-T6 Sheet 0.032"	4/12/13	288.00	Yours ppd	\$0.8361	\$240.80
			Yes	sf			

192 P13/4/19 4848

**Special Inst:** MATERIAL: 6061-T6/T62 ALUMINUM  
SHEET  
AS PER QQ-A-250/11 OR AMS-QQ-A-  
250/11 OR  
AMS 4025 OR AMS 4027 OR ASTM B209

5	M6061T6B2.500X03.500	6061-T6 Bar 2.50 x 3.50	4/12/13	12.00	Yours ppd	\$19.4750	\$233.70
			Yes	f			

**Special Inst:** MATERIAL: 6061-  
T6/T651/T6510/6511T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8  
OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR  
ASTM B221

6	M6061T6B0.750X03.000	6061-T6 Bar .750 x 3.00	4/12/13	12.00	Yours ppd	\$5.0667	\$60.80
			Yes	f			

**Special Inst:** MATERIAL: 6061-  
T6/T651/T6510/6511T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8  
OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR  
ASTM B221

SP13-4-12

PO Instructions: NO: PEC ST-549941 / NO: PEC ST-554947

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required **YES** NO

Change Nbr: 4

Change Date: 4/09/13



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO19526**

Purchase Order Date 4/09/13

PO Print Date 4/09/13

Page Number 3 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

7	M6061T6B1.000X04.000	6061-T6 Bar 1.00 x 4.00	4/12/13 Yes	48.00 f	Yours ppd	\$8.9458	\$429.40
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Special Inst:

MATERIAL: 6061-  
T6/T651/T6510/6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8  
OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR  
ASTM B221

REC'd 24 FT  
SP 13-4-12

8	M7075T6B6.000X0.250	7075-T6 BAR 6.000" X 0.250"	4/15/13 Yes	24.00 f	Yours ppd	\$11.0417	\$265.00
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Special Inst:

MATERIAL: 7075-T6 OR  
T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS  
4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12  
CUT FROM PLATE

26 / 4/3/13

9	M7075T6B5.000X1.000	7075-T6 BAR 5.000" X 1.000"	4/15/13 Yes	48.00 f	Yours ppd	\$28.7500	\$1,380.00
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Special Inst:

MATERIAL: 7075-T6 OR  
T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS  
4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12  
CUT FROM PLATE

4816 / 4/3/13

PO Total:

\$3,853.04

PO Instructions:

NO: PEC ST-549941 / NO: PEC ST-554947

Change Nbr: 4

Change Date: 4/09/13

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consent.

Certificate of Conformity or Material  
Certification required - YES NO